

## ABSTRACT OF THE DISCLOSURE

A toner cartridge for an image forming apparatus which can detect the remaining state of a developer even when the developer in the cartridge is biased by the rotation and stirring of a rotary conveyance body. A developer detector arranged outside the toner cartridge has a light projecting unit and a light receiving unit, and the toner cartridge has detection windows through which light projected from the light projecting unit is input and output. The optical axis of an optical path from the light projecting unit to the light receiving unit intersects the rotary shaft of the rotary conveyance body in the toner cartridge or becomes parallel to the moving direction of the developer. The remaining state of the developer is detected according to whether the optical path going from the light projecting unit to the light receiving unit is cut off or not.